

Form PTO-1449

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/671,763
Filing Date	September 26, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	2879
Examiner Name	Anthony T. Perry
Confirmation No.	9308
Attorney Docket No.	789_117

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
AP	CI	6,313,815	11/06/2001	Takeda et al.				
AP	CJ	6,285,123	09/04/2001	Yamada et al.				
AP	CK	5,666,019	09/09/1997	Potter				

U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
AP	CL	10/919,747	08/17/2001	Takeuchi et al.	789_118 CIP2		
AP	CM	10/901,932	07/29/2004	Takeuchi et al.	789_118 CIP5		
AP	CN	10/919,678	08/17/2004	Takeuchi et al.	789_133		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:

Date Considered:

11/9/08

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*In accordance with the Notice dated July 11, 2003 on the PTO website, we are not enclosing copies of any of the above U.S. references.

Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">OFFICE OF THE PATENT & TRADEMARK OFFICE</div> <div style="text-align: center;"> <div style="font-size: 2em; font-weight: bold;">O I P E</div> <div style="font-weight: bold;">MAR 03 2004</div> </div> </div>		Complete if Known	
				Application Number	10/671,763		
				Filing Date	September 26, 2003		
				First Named Inventor	Yukihisa TAKEUCHI		
				Art Unit	2879		
				Examiner Name	Not assigned		
				Confirmation No.	9308		
Sheet	1	of	1	Attorney Docket No.	789_117		

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
ATP	BI	5,508,590	04/16/1996	Sampayan et al.				
ATP	BJ	5,453,661	09/26/1995	Auciello et al.				
ATP	BK	6,157,145	12/5/2000	Vollkommer et al.				

U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
ATP	BL	10/719,521	11/21/2003	Takeuchi et al.	789_120		
ATP	BM	10/719,596	11/21/2003	Takeuchi et al.	789_121		
ATP	BN	10/730,754	12/08/2003	Takeuchi et al.	789_118 CIP		
ATP	BO	10/731,901	12/09/2003	Takeuchi et al.	789_122		

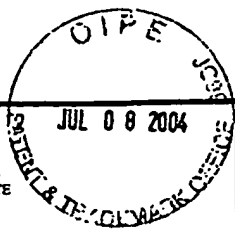
FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
ATP	BP	3833604	04/05/1990	DE			✓	
ATP	BQ	2639151	05/18/1990	FR			✓	
ATP	BR	428853	05/29/1991	EP			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

Examiner:		Date Considered:	1/9/06
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Sheet 1 of 1

Application Number	10/671,763
Filing Date	September 26, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	2879
Examiner Name	Anthony T. Perry
Confirmation No.	9308
Attorney Docket No.	789 117

U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

U.S. COPENDING APPLICATIONS

Exam. Initial	Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
AP	CE 10/808,258	3/24/2004	Takeuchi et al	789 123		

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number		10/671,763	
				Filing Date		September 26, 2003	
				First Named Inventor		Yukihisa TAKEUCHI	
				Art Unit		2879	
				Examiner Name		Anthony T. Perry	
				Confirmation No.		9308	
Sheet	1	of	1	Attorney Docket No.		789_117	

U.S. PATENT DOCUMENTS

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U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
ATP	DC	10/951,509	09/28/2004	Takeuchi et al.	789_118 CIP3		
ATP	DD	10/950,976	09/27/2004	Takeuchi et al.	789_118 CIP6		
ATP	DE	10/952,524	09/28/2004	Takeuchi et al.	789_135		
ATP	DF	10/951,832	09/28/2004	Takeuchi et al.	789_136		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

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*In accordance with the Notice signed September 21, 2004 on the PTO website, we are not enclosing copies of any of the above U.S. references or copending applications filed on or after June 30, 2003.

Form PTO-1449

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Application Number 10/671,763

Filing Date September 26, 2003

First Named Inventor Yukihiisa TAKEUCHI

Art Unit 2879

Examiner Name Not assigned

Confirmation No. 9308

Attorney Docket No. 789_117

U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

U.S. COPENDING APPLICATIONS

Exam. Initial	Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
ATP	BA 10/374,955	02/25/2003	Takeuchi et al.	789 105		
ATP	BB 10/459,415	06/11/2003	Takeuchi et al.	789 108 CIP		
ATP	BC 10/459,110	06/11/2003	Takeuchi et al.	789 109 CIP		
ATP	BD 10/459,416	06/11/2003	Takeuchi et al.	789 110 CIP		
ATP	BE 10/459,386	06/11/2003	Takeuchi et al.	789 111 CIP		
ATP	BF 10/647,794	08/25/2003	Takeuchi et al.	789 115		
ATP	BG 10/673,384	09/26/2003	Takeuchi et al.	789 116		
ATP	BH 10/699,186	10/31/2003	Takeuchi et al.	789 119		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

Examiner:  Date Considered: 1/9/07

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				Application Number	
				Filing Date	Concurrently Herewith
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	
				Examiner Name	
Confirmation No.					
Sheet	1	of	2	Attorney Docket No.	789 117

U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
ADP	5,874,802	02-23-1999	Choi et al.				
ADP	2002/0153827	10-24-2002	Takeuchi et al.				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
ADP	AA	1-311533 A ✓	12-15-1989	JP				✓
	AB	7-147131 A	06-06-1995	JP			JPO Machine Translation	✓
	AC	2000-285801 A	10-13-2000	JP			JPO Machine Translation	✓
	AD	46-20944	06-12-1971	JP			✓	
	AE	44-26125	11-04-1969	JP			✓	
	AF	11-185600	07-09-1999	JP			JPO Machine Translation	✓
	AG	10-27539 A	01-27-1998	JP			JPO Machine Translation	✓
	AH	11-288249 A	10-19-1999	JP			JPO Machine Translation	✓
	AI	63-150837 A	06-23-1988	JP				✓
	AJ	09-090882 A	04-04-1997	JP			JPO Machine Translation	✓
	AK	59-208587	11-26-1984	JP			Partial	
	AL	3160213 B2	02-16-2001	JP			JPO Machine Translation	✓
	AM	0 953 958 A2	11-03-1999	EP				
	AN	2000-310970 A	11-07-2000	JP			JPO Machine Translation	✓
	AP	AO	02/052600 A1	07-04-2002	WO			

Examiner: 	Date Considered: 1/9/06
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				Application Number	
				Filing Date	Concurrently Herewith
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	
				Examiner Name	
Confirmation No.					
Sheet	2	of	2	Attorney Docket No.	789_116

U.S. PATENT DOCUMENTS

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U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

ADY	AP	"Pulsed Electron Source Using a Ferroelectric Cathode," Tokyo Institute of Technology, Vol. 68, No. 5, 7 January 1999, pp. 546-550.
ADY	AQ	Puchkarev, Victor F. and Mesyats, Gennady A., "On the Mechanism of Emission from the Ferroelectric Ceramic Cathode," Journal of Applied Physics, Vol. 78, No. 9, 1 November 1995, pp. 5633-5637.
ADY	AR	Riege, H., "Electron Emission from Ferroelectrics - a Review," Nucl. Instr. and Meth. A340, 1994, pp. 80-89.
ADY	AS	Masatoshi Miyake et al., "Electron Emission from Ferroelectric Cathodes Excited by Pulsed Voltage," Tokyo Institute of Technology, Vol. 119, No. 5, 1999 pp. 622-627.

Examiner:		Date Considered:	1/9/06
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				Application Number	10/671,763
				Filing Date	September 26, 2003
				First Named Inventor	Yukihisa TAKEUCHI
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				Examiner Name	Anthony T. Perry
				Confirmation No.	9308
Sheet	1	of	1	Attorney Docket No.	789_117

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
AP	DG	5,343,052	08/30/1994	Oohata et al.				
AP	DH	5,631,524	05/20/1997	Matsuzaki et al.				
AP	DI	2004/0046490	03/11/2004	Doll				
AP	DJ	5,657,054	08/12/1997	Files et al.				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

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Sheet	1	of	1
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages etc.)

AY	DB	Kanemaru, Seigou, "Featuring: All About Flat Displays 2000, Leading Technological Trend of FEDs," Electronic Engineering, Nikkan Kogyo Shimbun, Ltd., July 2000, pp. 38-41 (with partial translation).

Examiner:

Date Considered:

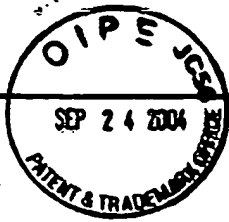
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Sheet 1 of 1

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
ATX	CO	2002/0060516 A1	05/23/2002	Kawate et al.				
	CP	6,580,108 B1	06/17/2003	Utsumi et al.				
	CQ	6,452,328 B1	09/17/2002	Saito et al.				
	CR	6,469,452 B2	10/22/2002	Seo et al.				
	CS	6,359,383 B1	03/19/2002	Chuang et al.				
	CT	6,274,881 B1	08/14/2001	Akiyama et al.				
	CU	6,184,612 B1	02/06/2001	Negishi et al.				
	CV	6,153,978	11/28/2000	Okamoto				
	CW	6,040,973	03/21/2000	Okamoto et al.				
	CX	5,990,605	11/23/1999	Yoshikawa et al.				
	CY	5,877,594	03/02/1999	Miyano et al.				
	CZ	5,729,094	03/17/1998	Geis et al.				
	DA	5,726,524	03/10/1998	Debe				

FOREIGN PATENT DOCUMENTS

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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

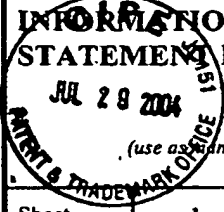
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ADY	CG	05-325777	12/10/1993	JP	 	 	✓	✓
ADY	CH	08-111166	04/30/1996	JP	 	 	✓	✓

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
ATP	CF	3214256	7/27/2001	JP			Complete English Translation	

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Sheet	1	of	1		

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
ATP	BS	5,280,221	01/18/1994	Okamoto et al.				
ATP	BT	5,747,926	05/05/1998	Nakamoto et al.				
ATP	BU	6,198,225	03/06/2001	Kano et al.				
ATD	BV	6,479,924	11/12/2002	Yoo				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
ATP	BW	2675306	10/16/1992	FR				✓
ATP	BX	2789221	08/04/2000	FR				✓
ATP	BY	2789223	08/04/2000	FR				✓
ATD	BZ	10057072	05/23/2001	DE				✓
ATD	CA	0 353 632	02/07/1990	EP				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

ATP	CB	G. Benedek et al., "Electron Emission From Ferroelectric/Antiferroelectric Cathodes Excited by Short High-Voltage Pulses", Journal Applied Physics, Vol. 81, No. 3, 1 February 1997, pages 1396-1403						
ATP	CC	Gundel, H. et al., "Low Pressure Hollow Cathode Switch Triggered by a Pulsed Electron Beam Emitted From Ferroelectrics", Applied Physics Letter, American Institute of Physics, New York, US Vol. 54, No. 21, 22 May 1989, pages 2071-2073						
ATP	CD	Gundel, H. et al., "Time-Dependent Electron Emission From Ferroelectrics by External Pulsed Electric Fields", Journal of Applied Physics, American Institute of Physics, New York, US Vol. 69, No. 2, 15 January 1991, pages 975-982						

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